

Type Approval Certificate



This is to certify that the undernoted product(s) has/have been tested in accordance with the relevant requirements of the GL Type Approval System.

Certificate No. **58 708 - 08 HH**

Company **KROHNE Skarpenord
Stroemtangveien 21
3950 Brevik, NORWAY**

Product Description **Tank Level Radar**

Type **OPTIWAVE 8300 C**

Environmental Category **C, F, EMC1**

Technical Data /
Range of Application **Measuring range: 0-40m
Radar principle: FMCW (Frequency Modulated Continuous Wave) 24GHz
Local display: Graphical LCD with touch screen
Media: liquids and solids with dielectric constant ≥ 1.5
Material: stainless steel 316L (1.4404): flange, housing
Gaskets: FPM (Viton) or Kalrez 6375
Process connection: flange
Power supply: 24V DC (loop powered)
(to be powered by PHOENIX Quint Power PS 24DC)
Output: 4-20mA / HART
Degree of protection: IP 67
Integrated pressure transmitter: refer to GL Cert. 40 869-01 HH (validity of the certificate to be observed)
Software versions:
M16 application: 1.0.x.y ; MSP application: 1.0.x.y
DSP application: 1.0.0.x ; HMI file: R2Cxx**

Test Standard **Guidelines for the Performance of Type Approvals, Chapter 2 - Edition 2003**

Documents **DNV Technical Reports: No. 2006-3573 Rev. 01 and No. 2006-3445 Rev. 02
Data Sheet: OPTIWAVE 8300 C Marine
User Manual OPTIWAVE 7300 C 08/2007 4000091501
Construction drawings; Circuit diagrams; Software documentation**

Remarks **None**

Valid until **2013-04-17**

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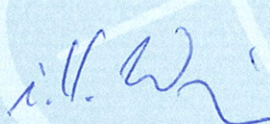
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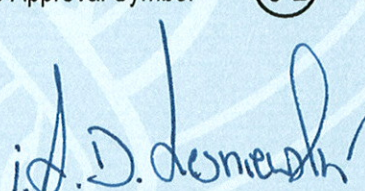
Hamburg, 2008-04-18

Type Approval Symbol



Germanischer Lloyd


Jürgen Wittburg


Dariusz Lesniewski

This certificate is issued on the basis of "Guidelines for the Performance of Type Approvals Part 1, Procedure".